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Features

- 3/4 " Rectangular / Multiturn
Cermet / Industrial / Sealed
- Low PC board profile - only 1/4 " high
- [Panel mount option](#) available
- Transparent housing available, can be set visually without hook-up and instrumentation ("P" style only)

3006 - Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range 10 to 5 megohms
(see standard resistance table)
Resistance Tolerance±10 % std.
(tighter tolerance available)
Absolute Minimum Resistance 1.0 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation 1.0 % or 1 ohm max.
(whichever is greater)
Adjustability
Voltage±0.01 %
Resistance±0.05 %
Resolution Infinite
Insulation Resistance 500 vdc.
1,000 megohms min.
Dielectric Strength
Sea Level 1,000 vac
80,000 Feet 250 vac
Adjustment Angle 15 turns nom.

Environmental Characteristics

Power Rating (400 volts max.)
70 °C 0.75 watt
125 °C 0 watt
Temperature Range-55 °C to +125 °C
Temperature Coefficient±100 ppm/°C
Seal Test 85 °C Fluorinert*
Humidity MIL-STD-202 Method 103
96 hours
(3 % ΔTR, 20 Megohms IR)
Vibration 20 G (2 % ΔTR; 2 % ΔVR)
Shock 50 G (2 % ΔTR; 2 % ΔVR)
Load Life ...1,000 hours 0.75 watt 70 °C
(4 % ΔTR)
Rotational Life 200 cycles
(3 % ΔTR; 1 % or 1 ohm,
whichever is greater, CRV)

Physical Characteristics

Torque 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals Solderable pins
Weight 0.04 oz.
Marking Manufacturer's
trademark, resistance code,
terminal numbers, date code,
manufacturer's model number
and style
Wiper Positioning 50 % nominal
Flammability U.L. 94V-0
Standard Packaging 25 pcs. per tube
Adjustment Tool H-90

Common Dimensions

